



ENVIRONMENTAL PROTECTION AGENCY GOVERNMENT OF SINDH

PLOT NO. ST-2/1, SECTOR 23, KORANGI INDUSTRIAL AREA, KARACHI.

Ambient Air Quality Monitoring Report

Ph: 021-35110054

Fixed Ambient Air Quality Monitoring Station.

Ambient Air Quality Monitoring Location: SEPA Head Office, Karachi

Monitoring Date: 07 March, 2018

| S.NO | PARAMETERS | TIME hr | CONCENTRATION MEAN VALUE IN PPM | RESULTS | Method | SEQS LIMITS |
|------|--|------------|---------------------------------------|--------------------------------|-----------------------------------|---------------------------------|
| 1 | Oxides of Nitrogen as (NO) | 24 | 0.0060 | 8.04 $\mu\text{g}/\text{m}^3$ | Gas phase chemiluminescence | 40 $\mu\text{g}/\text{m}^3$ |
| | | | 0.0062 | | | |
| | | | 0.0058 | | | |
| 2 | Oxides of Nitrogen as (NO ₂) | 24 | 0.0154 | 30.80 $\mu\text{g}/\text{m}^3$ | Gas phase chemiluminescence | 80 $\mu\text{g}/\text{m}^3$ |
| | | | 0.0150 | | | |
| | | | 0.0146 | | | |
| 3 | Sulphur Dioxide (SO ₂) | 24 | 0.0080 | 23.43 $\mu\text{g}/\text{m}^3$ | Ultraviolet fluorescence | 120 $\mu\text{g}/\text{m}^3$ |
| | | | 0.0082 | | | |
| | | | 0.0084 | | | |
| 4 | Carbon Monoxide (CO) | 8 | 0.72 | 0.90 mg/m^3 | Non dispersive infra red(NDIR) | 5 mg/m^3 |
| 5 | O ₃ | 1 | 0.0042 | 9.0 $\mu\text{g}/\text{m}^3$ | Non dispersive UV absorption | 130 $\mu\text{g}/\text{m}^3$ |
| 6 | Particulate Matter (PM _{2.5}) | 24 | 96 $\mu\text{g}/\text{m}^3$ | 96 $\mu\text{g}/\text{m}^3$ | β Ray Absorption Method | 75 $\mu\text{g}/\text{m}^3$ |

SEQS Sindh Environmental Quality Standard, the Sindh Govt. Gazette, Part – 1 Ext. Jan.28, 2017 for Ambient Air.

*PPM=Parts per million

Remarks: The results of Ambient Air Quality Monitoring parameters are within the prescribe values set by SEQs except Particulate Matter (PM_{2.5}).

Fahad Mohammad Khan
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